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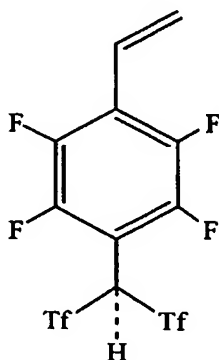
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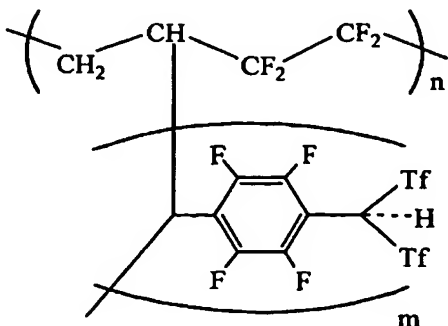
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(54) Title: **MONOMER COMPOUND, GRAFT COPOLYMER COMPOUND, PRODUCTION METHOD THEREOF, POLYMER ELECTROLYTE MEMBRANE, AND FUEL CELL**



(1)

(57) Abstract: A novel polymer electrolyte is provided that enables a solid polymer electrolyte used in fuel cells, for example, to have sufficient proton conductivity even in a low-water-content state or a zero-water-content state by using a monomer compound represented by the general formula (1), and a graft copolymer compound in which the monomer compound represented by the general formula (1) is graft-copolymerized to the main chain of a fluorine-containing hydrocarbon polymer. Tf indicates a trifluoromethane sulfonyl group (-SO<sub>2</sub>CF<sub>3</sub>).



(2)



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